























- [7] J. Kreiman and B. R. Gerrat, "Perception of aperiodicity in pathological voice", *Acoustical Society of America*, vol.117, pp. 2201-2211, 2005.
- [8] L. R. Rabiner and M. R. Sambur, "An algorithm for determining the endpoints of isolated utterances," *Bell System Technical Journal*, vol. 54, no. 2, pp. 297-315, February 1975.
- [9] Zheng, W. Q., Yu, J. S., Zou, Y. X.: An experimental study of speech emotion recognition based on deep convolutional neural networks. In: *International Conference on Affective Computing and Intelligent Interaction*, pp. 827-831 (2015).
- [10] Chernykh, V., Sterling, G.: Emotion Recognition From Speech With Recurrent Neural Networks. In: *arXiv:1701.08071v1* (2017).
- [11] Hermansky, H., "Perceptual linear predictive (PLP) analysis of speech", *The Journal of the Acoustical Society of America*, Vol. 87, No. 4, pp. 1738-1752, 1990.
- [12] Kim, Y., Lee, H., Provost, E. M.: Deep learning for robust feature generation in audiovisual emotion recognition. In: *IEEE International Conference on Acoustics, Speech and Signal Processing*, pp. 3687-3691 (2013).
- [13] Zheng, W. L., Zhu, J., Peng, Y.: EEG-based emotion classification using deep belief networks. In: *IEEE International Conference on Multimedia & Expo*, pp. 1-6 (2014).
- [14] Han, K., Yu, D., Tashev, I.: Speech emotion recognition using deep neural network and extreme learning machine. In: *INTERSPEECH* (2014).
- [15] Fayek, H. M., Lech, M., Cavedon, L.: Towards real-time Speech Emotion Recognition using deep neural networks. In: *International Conference on Signal Processing and Communication Systems*, pp.1-5, (2015).
- [16] Stankovic, I., Karnjanadecha, M., and Delic, V., "Improvement of Thai speech emotion recognition by using face feature analysis", *Proceedings of the Nineteenth IEEE International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS2011)*, Chiang Mai, Thailand, December 7-9, pp. 87, 2011.
- [17] Dellaert, F., Polzin, T. & Waibel, A., "Recognizing emotion in speech", *Fourth International Conference on Spoken Language Processing*, Vol. 3, pp. 1970-1973, Oct. 1996.
- [18] L. Deng, J. Li, J.-T. Huang, K. Yao, D. Yu, F. Seide, M. Seltzer, G. Zweig, X. He, J. Williams et al., "Recent advances in deep learning for speech research at Microsoft," in *Proceedings of IEEE ICASSP 2013*, 2013.
- [19] Busso, C., Bulut, M., Lee, C.C., Kazemzadeh, A., Mower, E., Kim, S., Chang, J.N., Lee, S., Narayanan, S.S.: IEMOCAP: Interactive emotional dyadic motion capture database. In: *Journal of Language Resources and Evaluation* vol. 42 no. 4, pp. 335-359 (2008).
- [20] Nicholson, J., Takahashi, K. & Nakatsu, R., "Emotion recognition in speech using neural networks", *6th International Conference on Neural Information Processing*, Vol. 2, pp. 495-501, 1999.
- [21] Tzirakis, P., Trigeorgis, G., Nicolaou, M. A., Schuller, B., Zafeiriou, S.: End-to-end multi-modal emotion recognition using deep neural networks. In: *IEEE Journal of Selected Topics in Signal Processing* (2017).
- [22] Zadeh, A., Chen, M., Poria, S., Cambria, E., Morency, L.P.: Tensor fusion network for multimodal sentiment analysis. In: *EMNLP* (2017)
- [23] Ranganathan, H., Chakraborty, S., Panchanathan, S.: *Multimodal Emotion Recognition Using Deep Learning Architectures*. In: *Institute of Electrical and Electronics Engineers Inc., United States* (2016).
- [24] Peipei Shen, Zhou Changjun and Xiong Chen. "Automatic Speech Emotion Recognition Using Support Vector Machine". *Electronic and Mechanical Engineering and Information Technology (EMEIT)*, 2011 International Conference, pp.859-862, Aug. 2011.
- [25] Richard O. Duda, Peter E. Hart and David G. Stork. "PATTERN CLASSIFICATION". 2nd ed. New York : Wiley-Interscience, pp.128-138, Oct. 2000.
- [26] Milan Sigmund, "Voice Recognition By Computer", *Tectum Verlag* publication, pp.20-22.
- [27] Douglas Sturim, Pedro Torres-Carrasquillo, Thomas F. Quatieri, Nicolas Malyska and Alan McCree, "Automatic Detection of Depression in Speech Using Gaussian Mixture Modeling with Factor Analysis", *Proceedings of Interspeech*, pp. 2981-2984, 2011
- [28] Dimitrios Ververidis and Constantine Kotropoulos, "Emotional speech recognition: Resources, features, and methods", *Speech communication*, vol. 48, no. 9, pp. 1162-1181, 2016.
- [29] Björn Schuller, Gerhard Rigoll and Manfred Lang, "Hidden Markov model-based speech emotion recognition", *Multimedia and Expo, 2003. ICME'03. Proceedings. 2003 International Conference on*. Vol. 1. IEEE, 2003.
- [30] J.J. Rodriguez, and L.I. Kuncheva, "Rotation forest: A new classifier ensemble method". *IEEE Trans. Pattern Anal. Mach. Intell.*, vol. 28, pp. 1619-1630, Oct 2006.
- [31] Steven R Livingstone & Frank A Russo. "The Ryerson Audio-Visual Database of Emotional Speech and Song (RAVDESS): A dynamic, multimodal set of facial and vocal expressions in North American English," *PLOS ONE*, Public Library of Science, vol. 13(5), pages 1-35, May 2018.